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PATENT APPLICATION

ATTORNEY DOCKET NO. LMRX-P032 / P1205

IN THE U.S. PATENT AND TRADEMARK OFFICE			
Applicant:	KIM ET AL.	Examiner:	NORTON, NADINE G.
Application No.:	10/804,430	Group No.:	1765
File:	03/19/2004	Confirmation No.:	7228
Title:	METHOD FOR THE OPTIMIZATION OF SUBSTRATE ETCHING IN A PLASMA PROCESSING SYSTEM		

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Certificate of Mailing**

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Signed: /Alma Fazlic/

Alma Fazlic

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §§ 1.56 AND 1.97(c)**

Dear Sir:

This Information Disclosure Statement is submitted:

( ) under 37 CFR 1.97(b), or

(Within 3 months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)

(✓) under 37 CFR 1.97(c), together with either a:

( ) Statement under 37 CFR 1.97(e), or

(✓) a \$180.00 fee under 37 CFR 1.17(p), or

(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

( ) under 37 CFR 1.97(d), together with either a:

( ) Statement under 37 CFR 1.97(e)(1) or (2), or

( ) a \$180.00 fee under 37 CFR 1.17(p).

(Filed after final action, a notice of allowance, on or before payment of the issue fee)

(✓) The references listed in the attached PTO Form 1449, copies of which are attached, may be material to the patentability of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§ 1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

( ) The references listed in the attached PTO Form 1449 may be material to the patentability of the above-identified patent application. Applicants submit the list of these references in compliance with their duty of disclosure pursuant to 37 CFR §§ 1.56 and 1.97. The Examiner is requested to make these references of official record in this application. The above-identified application is a \_\_\_\_\_ of prior application U.S. Patent Application No. \_\_\_\_\_. This prior application is being relied upon for an earlier filing date under 35 U.S.C. § 120. Because the listed references were either cited by the PTO, or submitted to the PTO in the prior application, under 37 CFR § 1.98(d) Applicants submit that copies need not be provided.

( ) A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 50-2284 (Order No. LMRX-P032 ) pursuant to 37 CFR 1.25. Additionally, please charge any fees to Deposit Account 50-2284 (Order No. LMRX-P032 ) under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees.

Respectfully Submitted,

By /Joseph A. Nguyen/

Joseph A. Nguyen , Reg. No. 37,899

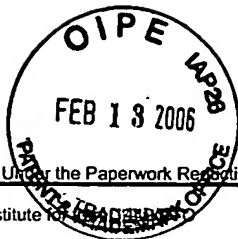
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/804,430
		Filing Date	03/19/2004
		First Named Inventor	KIM ET AL.
		Art Unit	1765
		Examiner Name	NORTON, NADINE G.
Sheet 1	of 1	Attorney Docket Number	LMRX-P032 / P1205

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	LEI et al., "The Effect of Ash Processes on Inorganic Porous Low-k Materials," Honeywell Electronic Materials, 4 pp.	
	2	COLLINS et al., "Chapter 1: Plasmas for Fun and Profit: A Survey of an Enabling Technology," 1999, pp. 1-24.	
	3	COLLINS et al., "Chapter 3: The Wax and Wane of Plasma Technology in IC Manufacturing," 1999, pp. 1-30.	
	4	GUERRA et al., "Implementation of Plasma Processing into BEOL with Organic Low-k Dielectrics," 2002 Semiconductor Equipment and Materials International, 5 pp.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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